

1. (Cancelled)

2. (Cancelled)

3. (Cancelled)

4. (Cancelled)

5. (Cancelled)

6. (Cancelled)

7. (Cancelled)

8. (Cancelled)

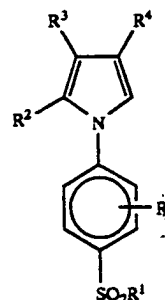
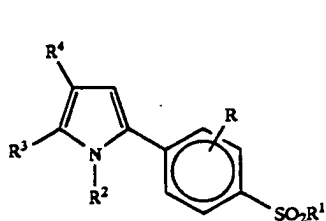
9. (Cancelled)

10. (Cancelled)

11. (Cancelled)

12. (Cancelled)

13. (Third Amendment) [The compound of claim 1,] A compound of formula (I) or (II):



wherein:

- R represents a hydrogen atom[, a halogen atom or an alkyl group having from 1 to 4 carbon atoms];
- R<sup>1</sup> represents a methyl group[, ] or an amino group [or an acetylamino group];
- R<sup>2</sup> represents an unsubstituted phenyl group or a phenyl group which is substituted by at least one substituent selected from the group consisting of a halogen atom; an alkoxy group having from 1 to 4 carbon atoms; an alkylthio group having from 1 to 4 carbon atoms; an unsubstituted alkyl group having from 1 to 4 carbon atoms; an alkyl group having from 1 to 4 carbon atoms which is substituted by at least one substituent selected from the group consisting of a halogen atom, an alkoxy group

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having from 1 to 4 carbon atoms and an alkylthio group having from 1 to 4 carbon atoms; [a mercapto group; an alkanoyl group having from 1 to 4 carbon atoms;] a [haloalkyl] haloalkoxy group having from 1 to 4 carbon atoms; and an alkylenedioxy group having from 1 to 4 carbon atoms;

R<sup>3</sup> represents a hydrogen atom, a halogen atom, an unsubstituted alkyl group having from 1 to 4 carbon atoms or a substituted alkyl group having from 1 to 4 carbon atoms and substituted by at least one substituent selected from the group consisting of a halogen atom, an alkoxy group having from 1 to 4 carbon atoms and an alkylthio group having from 1 to 4 carbon atoms;

R<sup>4</sup> represents  
a hydrogen atom;  
an unsubstituted alkyl group having from 1 to 4 carbon atoms;  
a substituted alkyl group having from 1 to 4 carbon atoms and substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom, an alkoxy group having from 1 to [6] 4 carbon atoms and an alkylthio group having from 1 to [6] 4

carbon atoms;  
a cycloalkyl group having from 3 to 6 carbon atoms;  
an aryl group which has from 6 to 10 ring carbon atoms  
and which is unsubstituted or is substituted  
by at least one substituent selected from the  
group consisting of a halogen atom; an alkoxy  
group having from 1 to 4 carbon atoms; an  
alkylthio group having 1 to 4 carbon atoms;  
an unsubstituted alkyl group having from 1 to  
[6] 4 carbon atoms; an alkyl group having  
from 1 to [6] 4 carbon atoms and substituted  
by at least one substituent selected from the  
group consisting of a hydroxy group, a  
halogen atom, an alkoxy group having 1 to 4  
carbon atoms and an alkylthio group having 1  
to 4 carbon atoms; and a cycloalkoxy group  
having 3 to [8] 7 carbon atoms; and an  
aralkyl group having from 1 to 4 carbon atoms  
in the alkyl part and containing at least one  
said aryl group.

14. (Third Amendment) The compound of claim [1] 13, wherein:
- R represents a hydrogen atom[, a fluorine atom,  
a chlorine atom or a methyl group];
- R<sup>1</sup> represents an amino group [or an acetylamino  
group];

 R<sup>2</sup> represents an unsubstituted phenyl group or a phenyl group which is substituted by at least one substituent selected from the group consisting of a halogen atom, an alkoxy group having from 1 to 4 carbon atoms, an alkylthio group having from 1 to 4 carbon atoms, an alkyl group having from 1 to 4 carbon atoms, a haloalkyl group having from 1 to 4 carbon atoms, [a mercapto group, an alkanoylthio group having from 1 to 4 carbon atoms,] a haloalkoxy group having from 1 to 4 carbon atoms and an alkylenedioxy group having from 1 to 4 carbon atoms;

R<sup>3</sup> represents a hydrogen atom, a halogen atom, an alkyl group having from 1 to 4 carbon atoms or a haloalkyl group having from 1 to 4 carbon atoms;

R<sup>4</sup> represents a hydrogen atom; an unsubstituted alkyl group having from 1 to 4 carbon atoms; a substituted alkyl group having from 1 to 4 carbon atoms and substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom and alkoxy group having from 1 to [6] 4 carbon atoms; a cylcoalkyl group having from 3 to 6 carbon atoms, an aryl group which has

from 6 to 10 ring carbon atoms and which is unsubstituted or is substituted by at [lest] least one substituent selected from the group consisting of a hydroxy group, a halogen atom, an alkoxy group having from 1 to [6] 4 carbon atoms, an alkyl group having from 1 to [6] 4 carbon atoms and which is unsubstituted or substituted by at least one halogen atom, and a cycloalkyloxy group having from 3 to [8] 7 carbon atoms; and an aralkyl group having from 1 to 4 carbon atoms in the alkyl part and containing at least one said aryl group.

15. (Third Amendment) The compound of claim [1] 13, wherein:
- R represents a hydrogen atom;
- R<sup>1</sup> represents an amino group [or an acetylamino group];
- R<sup>2</sup> represents an unsubstituted phenyl group or a phenyl group which is substituted by at least one substituent selected from the group consisting of a halogen atom, an alkoxy group having from 1 to 4 carbon atoms, an alkylthio group having from 1 to 4 carbon atoms, an alkyl group having from 1 to 4 carbon atoms, a haloalkyl group having from 1 to 4 carbon

atoms, [a mercapto group, an alkanoylthio group having from 1 to 4 carbon atoms,] a haloalkoxy group having from 1 to 4 carbon atoms and an alkylenedioxy group having from 1 to 4 carbon atoms;

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*Cancel*  
R<sup>3</sup> represents a hydrogen atom, a halogen atom, an alkyl group having from 1 to 4 carbon atoms or a haloalkyl group having from 1 to 4 carbon atoms;

R<sup>4</sup> represents  
a hydrogen atom;  
an unsubstituted alkyl group having from 1 to 4 carbon atoms;

a substituted alkyl group having from 1 to 4 carbon atoms and substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom and an alkoxy group having from 1 to 6 carbon atoms;

a cycloalkyl group having from 3 to 6 carbon atoms;

an aryl group which has from 6 to 10 ring carbon atoms and which is unsubstituted or is substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom, an alkoxy group having from 1 to [6] 4 carbon atoms, an alkyl group having from 1 to [6] 4 carbon atoms and which is

unsubstituted or substituted by at least one  
halogen atom, and a cycloalkyloxy group  
having from 3 to [8] 7 carbon atoms; and  
an aralkyl group having from 1 to 4 carbon atoms in the  
alkyl part and containing at least one said  
aryl group.

16. (First Amendment) [The compound of claim 1, which is 4-  
methyl] 4-Methyl-2-(4-methylphenyl)-1-(4-sulfamoylphenyl)pyrrole.

17. (First Amendment) [The compound of claim 1, which is  
2-(4-methoxyphenyl)] 2-(4-Methoxyphenyl)-4-methyl-1-(4-  
sulfamoylphenyl)pyrrole.

18. (First Amendment) [The compound of claim 1, which is 2-  
(4-chlorophenyl)] 2-(4-Chlorophenyl)-4-methyl-1-(4-  
sulfamoylphenyl)pyrrole.

19. (First Amendment) [The compound of claim 1, which is  
4-methyl] 4-Methyl-2-(4-methylthiophenyl)-1-(4-  
sulfamoylphenyl)pyrrole.

20. (First Amendment) [The compound of claim 1, which is  
2-(4-ethoxyphenyl)] 2-(4-Ethoxyphenyl)-4-methyl-1-(4-  
sulfamoylphenyl)pyrrole.



21. (First Amendment) [The compound of claim 1, which is 2-(4-methoxy] 2-(4-Methoxy-3-methylphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.

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22. (First Amendment) [The compound of claim 1, which is 2-(3-fluoro] 2-(3-Fluoro-4-methoxyphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.

23. (First Amendment) [The compound of claim 1, which is 2-(3,4-dimethylphenyl)] 2-(3,4-Dimethylphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.

24. (First Amendment) [The compound of claim 1, which is 4-methyl] 4-Methyl-1-(4-methylthiophenyl)-2-(4-sulfamoylphenyl)pyrrole.

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25. (Cancelled)

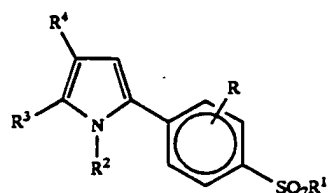
26. (Cancelled)

27. (Cancelled)

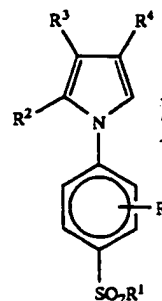
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28. (Third Amendment) [The method of claim 27, wherein] A method of treating or relieving pain or inflammation in a mammal suffering therefrom comprising administering to a mammal in need thereof an effective anti-inflammatory amount or

effective analgesic amount of a compound selected from the group consisting of the compound of formula (I), the compound of formula (II), and a pharmaceutically acceptable salt of said compounds wherein:



(I)



(II)

- R represents a hydrogen atom[, a halogen atom or an alkyl group having from 1 to 4 carbon atoms];
- R<sup>1</sup> represents a methyl group[, ] or an amino group [or an acetylamino group];
- R<sup>2</sup> represents  
an unsubstituted phenyl group or;  
a phenyl group which is substituted by at least one substituent selected from the group consisting of a halogen atom; an alkoxy group having from 1 to 4 carbon atoms; an alkylthio group having from 1 to 4 carbon atoms; an unsubstituted alkyl group having from 1 to 4 carbon atoms; an alkyl group having from 1 to 4 carbon atoms and which is substituted by at

B2  
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least one substituent selected from the group consisting of a halogen atom, an alkoxy group having from 1 to 4 carbon atoms and an alkylthio group having from 1 to 4 carbon atoms; [a mercapto group; an alkanoylthio group having from 1 to 4 carbon atoms;] a haloalkoxy group having from 1 to 4 carbon atoms; and an alkylenedioxy group having from 1 to 4 carbon atoms;

R<sup>3</sup> represents a hydrogen atom, a halogen atom, an unsubstituted alkyl group having from 1 to 4 carbon atoms or a substituted alkyl group having from 1 to 4 carbon atoms and substituted by at least one substituent selected from the group consisting of a halogen atom, an alkoxy group having from 1 to 4 carbon atoms and an alkylthio group having from 1 to 4 carbon atoms;

R<sup>4</sup> represents  
a hydrogen atom;  
an unsubstituted alkyl group having from 1 to 4 carbon atoms;  
a substituted alkyl group having from 1 to 4 carbon atoms and substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom, an alkoxy group having from 1 to [6] 4

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Cantab*

carbon atoms and an alkylthio group having  
from 1 to [6] 4 carbon atoms;  
a cycloalkyl group having from 3 to 6 carbon atoms;  
an aryl group which has from 6 to 10 ring carbon atoms  
and which is unsubstituted or is substituted  
by at least one substituent selected from the  
group consisting of a halogen atom; an alkoxy  
group having from 1 to 4 carbon atoms; an  
alkylthio group having from 1 to 4 carbon  
atoms; an unsubstituted alkyl group having  
from 1 to [3] 4 carbon atoms; an alkyl group  
having from 1 to [3] 4 carbon atoms and  
substituted by at least one substituent  
selected from the group consisting of a  
hydroxy group, a halogen atom, an alkoxy  
group having from 1 to [6] 4 carbon atoms and  
an alkylthio group having from 1 to [6] 4  
carbon atoms; and a cycloalkyloxy group  
having from 3 to [8] 7 carbon atoms; and  
an aralkyl group having from 1 to 4 carbon atoms in the  
alkyl part and containing at least one said  
aryl group.

29. (Third Amendment) The method of claim [27] 28, wherein:  
R represents a hydrogen atom[, a fluorine atom,  
a chlorine atom or a methyl group];

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R<sup>1</sup> represents an amino group [or an acetylamino group];

R<sup>2</sup> represents an unsubstituted phenyl group or a phenyl group which is substituted by at least one substituent selected from the group consisting of a halogen atom, an alkoxy group having from 1 to 4 carbon atoms, an alkylthio group having from 1 to 4 carbon atoms, an unsubstituted alkyl group having from 1 to 4 carbon atoms, a haloalkyl group having from 1 to 4 carbon atoms, [a mercapto group, an alkanoylthio group having from 1 to 4 carbon atoms,] a haloalkoxy group having from 1 to 4 carbon atoms and an [alkenedioxy] alkylenedioxy group having from 1 to 4 carbon atoms;

R<sup>3</sup> represents a hydrogen atom, a halogen atom, an alkyl group having from 1 to 4 carbon atoms or a haloalkyl group having from 1 to 4 carbon atoms;

R<sup>4</sup> represents  
a hydrogen atom;  
an unsubstituted alkyl group having from 1 to 4 carbon atoms;  
a substituted alkyl group having from 1 to 4 carbon atoms and substituted by at least one substituent

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selected from the group consisting of a hydroxy group, a halogen atom and an alkoxy group having from 1 to [6] 4 carbon atoms; a cycloalkyl group having from 3 to 6 carbon atoms; an aryl group which has from 6 to 10 ring carbon atoms and which is unsubstituted or is substituted by at least one substituent selected from the group consisting of a hydroxy group; a halogen atom; an alkoxy group having from 1 to [6] 4 carbon atoms; an alkyl group having from 1 to [6] 4 carbon atoms and which is unsubstituted or substituted by at least one halogen atom; and a cycloalkyl group having from 3 to [8] 7 carbon atoms; and an aralkyl group having from 1 to 4 carbon atoms in the alkyl part and containing at least one said aryl group.

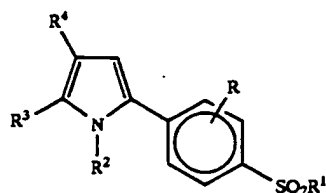
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30. (Cancelled)

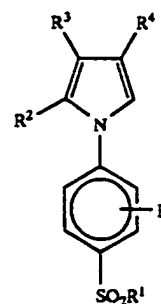
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B3

31. (Amended) A method of inhibiting bone resorption in a mammal comprising administering to a mammal in need thereof a pharmaceutically effective amount of a compound selected from the group consisting of the compound of formula (I), the compound of formula (II), and a pharmaceutically acceptable salt of said compounds [as claimed in claim 1] wherein:



(I)



(II)

- B3*  
*contd*
- R represents a hydrogen atom, a halogen atom or an alkyl group having from 1 to 6 carbon atoms;
- R<sup>1</sup> represents an alkyl group having from 1 to 6 carbon atoms or an amino group;
- R<sup>2</sup> represents a phenyl group which is unsubstituted or is substituted by at least one substituent selected from the group consisting of substituents  $\alpha$  and substituents  $\beta$  defined below;
- R<sup>3</sup> represents a hydrogen atom, a halogen atom or an alkyl group which has from 1 to 6 carbon atoms and which is unsubstituted or is substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom, an alkoxy group having from 1 to 6 carbon atoms and an alkylthio group having from 1 to 6 carbon atoms;

B3  
cont'd

R<sup>4</sup> represents a hydrogen atom; an alkyl group which has from 1 to 6 carbon atoms and which is unsubstituted or is substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom, an alkoxy group having from 1 to 6 carbon atoms and an alkylthio group having from 1 to 6 carbon atoms; a cycloalkyl group having from 3 to 8 carbon atoms, an aryl group which is as defined below, or an aralkyl group which is as defined below;  
said aryl group having from 6 to 14 ring carbon atoms in a carbocyclic ring and are unsubstituted or are substituted by at least one substituent selected from the group consisting of substituents  $\alpha$  and substituents  $\beta$ , defined below;  
said aralkyl group are an alkyl group having from 1 to 6 carbon atoms and which are substituted by at least one aryl group as defined above;  
said substituents  $\alpha$  are selected from the group consisting of a hydroxy group, a halogen atom, an alkoxy group having from 1 to 6 carbon atoms and an alkylthio group having from 1 to 6 carbon atoms; said substituents  $\beta$  are selected from the group



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consisting of an alkyl group which has from 1 to 6 carbon atoms and which is unsubstituted or are substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom, an alkoxy group having from 1 to 6 carbon atoms and an alkylthio group having from 1 to 6 carbon atoms; an alkanoyloxy group having from 1 to 6 carbon atoms; a mercapto group; an alkanoylthio group having from 1 to 6 carbon atoms; an alkylsulfinyl group having from 1 to 6 carbon atoms; a cycloalkyloxy group having from 3 to 8 carbon atoms; a haloalkoxy group having from 1 to 6 carbon atoms; and an alkylenedioxy group having from 1 to 6 carbon atoms;

or a pharmaceutically acceptable salt thereof.

32. (Third Amendment) The method of claim 31, wherein:

R represents a hydrogen atom, a halogen atom or an alkyl group having from 1 to 4 carbon atoms;

R<sup>1</sup> represents a methyl group[, ] or an amino group [or an acetylamino group];

R<sup>2</sup> represents an unsubstituted phenyl group or

B3  
contd

a phenyl group which is substituted by at least one substituent selected from the group consisting of a halogen atom; an alkoxy group having from 1 to 4 carbon atoms; an alkylthio group having from 1 to 4 carbon atoms; an unsubstituted alkyl group having from 1 to 4 carbon atoms; an alkyl group having from 1 to 4 carbon atoms and which is substituted by at least one substituent selected from the group consisting of a halogen atom, an alkoxy group having from 1 to 4 carbon atoms and an alkylthio group having from 1 to 4 carbon atoms; [a mercapto group; an alkanoylthio group having from 1 to 4 carbon atoms;] a haloalkoxy group having from 1 to 4 carbon atoms and an alkylenedioxy group having from 1 to 4 carbon atoms;

R<sup>3</sup> represents a hydrogen atom, a halogen atom, an unsubstituted alkyl group having from 1 to 4 carbon atoms or a substituted alkyl group having from 1 to 4 carbon atoms and substituted by at least one substituent selected from the group consisting of a halogen atom, an alkoxy group having from 1 to 4 carbon atoms and an alkylthio group having from 1 to 4 carbon atoms;

B3  
contd

R<sup>4</sup> represents

a hydrogen atom;

an unsubstituted alkyl group having from 1 to 4 carbon atoms;

a substituted alkyl group having from 1 to 4 carbon atoms and substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom, an alkoxy group having from 1 to [6] 4 carbon atoms and an alkylthio group having from 1 to [6] 4 carbon atoms;

a cycloalkyl group having from 3 to 6 carbon atoms;

an aryl group which has from 6 to 10 ring carbon atoms and which is unsubstituted or is substituted by at least one substituent selected from the group consisting of a halogen atom; an alkoxy group having from 1 to 4 carbon atoms; an alkylthio group having from 1 to 4 carbon atoms; an unsubstituted alkyl group having from 1 to [6] 4 carbon atoms and an alkyl group having from 1 to [6] 4 carbon atoms and substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom, an alkoxy group having from 1 to [6] 4 carbon atoms and an alkylthio group having from 1 to [6] 4

carbon atoms; and  
an aralkyl group having from 1 to 4 carbon atoms in the  
alkyl part and containing at least one said  
aryl group.

33. (Third Amendment) The method of claim 31, wherein:

B3  
cont  
R represents a hydrogen atom[, a fluorine atom,  
a chlorine atom or a methyl group];

R<sup>1</sup> represents an amino group [or an acetamino  
group];

R<sup>2</sup> represents an unsubstituted phenyl group or a  
phenyl group which is substituted by at least  
one substituent selected from the group  
consisting of a halogen atom, an alkoxy group  
having from 1 to 4 carbon atoms, an alkylthio  
group having from 1 to 4 carbon atoms, an  
alkyl group having from 1 to 4 carbon atoms,  
a haloalkyl group having from 1 to 4 carbon  
atoms, [a mercapto group, an alkanoylthio  
group having from 1 to 4 carbon atoms,] a  
haloalkoxy group having from 1 to 4 carbon  
atoms and an [alkenedioxy] alkylenedioxy  
group having from 1 to 4 carbon atoms;

R<sup>3</sup> represents a hydrogen atom, a halogen atom,  
an alkyl group having from 1 to 4 carbon  
atoms or a haloalkyl group having from 1 to 4

carbon atoms;

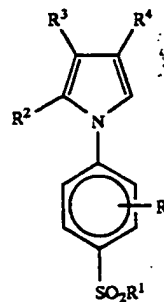
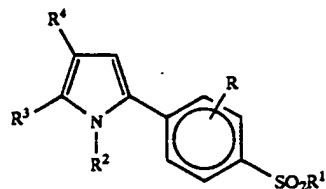
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R<sup>4</sup> represents a hydrogen atom, an unsubstituted alkyl group having from 1 to 4 carbon atoms, a substituted alkyl group having from 1 to 4 carbon atoms and substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom and an alkoxy group having from 1 to [6] 4 carbon atoms, a cycloalkyl group having from 3 to 6 carbon atoms, an aryl group which has from 6 to 10 ring carbon atoms and which is unsubstituted or is substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom, an alkoxy group having from 1 to 4 carbon atoms, an alkyl group having from 1 to [6] 4 carbon atoms and which is unsubstituted or substituted by at least one halogen atom, and a cycloalkyloxy group having from 3 to [8] 7 carbon atoms, an aralkyl group having from 1 to 4 carbon atoms in the alkyl part and containing at least one said aryl group.

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34. (~~C~~ancelled)

35. (Amended) A method of inhibiting leukotriene production in a mammal comprising administering to a mammal in need thereof a compound selected from the group consisting of the compound of formula (I), the compound of formula (II) and a pharmaceutically acceptable salt of said compound [as claimed in claim 1] wherein:



R represents a hydrogen atom, a halogen atom or an alkyl group having from 1 to 6 carbon atoms;

R<sup>1</sup> represents an alkyl group having from 1 to 6 carbon atoms or an amino group;

R<sup>2</sup> represents a phenyl group which is unsubstituted or is substituted by at least one substituent selected from the group consisting of substituents  $\alpha$  and substituents  $\beta$  defined below;

R<sup>3</sup> represents a hydrogen atom, a halogen atom or an alkyl group which has from 1 to 6 carbon atoms and which is unsubstituted or is substituted by at least one substituent

selected from the group consisting of a hydroxy group, a halogen atom, an alkoxy group having from 1 to 6 carbon atoms and an alkylthio group having from 1 to 6 carbon atoms;

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Contd

R<sup>4</sup> represents a hydrogen atom; an alkyl group which has from 1 to 6 carbon atoms and which is unsubstituted or is substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom, an alkoxy group having from 1 to 6 carbon atoms and an alkylthio group having from 1 to 6 carbon atoms; a cycloalkyl group having from 3 to 8 carbon atoms, an aryl group which is as defined below, or an aralkyl group which is as defined below;

said aryl group having from 6 to 14 ring carbon atoms in a carbocyclic ring and are unsubstituted or are substituted by at least one substituent selected from the group consisting of substituents  $\alpha$  and substituents  $\beta$ , defined below;

said aralkyl group are an alkyl group having from 1 to 6 carbon atoms and which are substituted by at least one aryl group as defined above;

said substituents  $\alpha$  are selected from the group

B4  
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consisting of a hydroxy group, a halogen atom, an alkoxy group having from 1 to 6 carbon atoms and an alkylthio group having from 1 to 6 carbon atoms; said  
substituents  $\beta$  are selected from the group consisting of an alkyl group which has from 1 to 6 carbon atoms and which is unsubstituted or are substituted by at least one  
substituent selected from the group consisting of a hydroxy group, a halogen atom, an alkoxy group having from 1 to 6 carbon atoms and an alkylthio group having from 1 to 6 carbon atoms; an alkanoyloxy group having from 1 to 6 carbon atoms; a mercapto group; an alkanoylthio group having from 1 to 6 carbon atoms; an alkylsulfinyl group having from 1 to 6 carbon atoms; a cycloalkyloxy group having from 3 to 8 carbon atoms; a haloalkoxy group having from 1 to 6 carbon atoms; and an alkylenedioxy group having from 1 to 6 carbon atoms;  
or a pharmaceutically acceptable salt thereof.



36. (Third Amendment) The method of claim 35, wherein:

R represents a hydrogen atom, a halogen atom or an alkyl group having from 1 to 4 carbon atoms;

[R<sup>2</sup>]

R<sup>1</sup> represents a methyl group[, ] or an amino group [or an acetylamino group];

R<sup>2</sup> represents an unsubstituted phenyl group or a phenyl group which is substituted by at least one substituent selected from the group consisting of a halogen atom; an alkoxy group having from 1 to 4 carbon atoms; an alkylthio group having from 1 to 4 carbon atoms; an unsubstituted alkyl group having from 1 to 4 carbon atoms; an alkyl group having from 1 to 4 carbon atoms and which is substituted by at least one substituent selected from the group consisting of a halogen atom, an alkoxy group having from 1 to 4 carbon atoms and an alkylthio group having from 1 to 4 carbon atoms; [a mercapto group; an alkanoylthio group having from 1 to 4 carbon atoms;] a haloalkoxy group having from 1 to 4 carbon atoms; and an alkylenedioxy group having from 1 to 4 carbon atoms;

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R<sup>3</sup> represents a hydrogen atom, a halogen atom,  
an unsubstituted alkyl group having from 1 to  
4 carbon atoms or a substituted alkyl group  
having from 1 to 4 carbon atoms and  
substituted by at least one substituent  
selected from the group consisting of a  
halogen atom, an alkoxy group having from 1  
to 4 carbon atoms and an alkylthio group  
having from 1 to 4 carbon atoms;

R<sup>4</sup> represents  
a hydrogen atom;  
an unsubstituted alkyl group having from 1 to 4 carbon  
atoms;  
a substituted alkyl group having from 1 to 4 carbon  
atoms and substituted by at least one  
substituent selected from the group  
consisting of a hydroxy group, a halogen  
atom, an alkoxy group having from 1 to [6] 4  
carbon atoms and an alkylthio group having  
from 1 to [6] 4 carbon atoms;  
a cycloalkyl group having from 3 to 6 carbon atoms;  
an aryl group which has from 6 to 10 ring carbon atoms  
and which is unsubstituted or is substituted  
by at least one substituent selected from the  
group consisting of a halogen atom; an alkoxy  
group having from 1 to 4 carbon atoms; an

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alkylthio group having from 1 to 4 carbon atoms; an unsubstituted alkyl group having from 1 to [6] 4 carbon atoms; an alkyl group having from 1 to [6] 4 carbon atoms and substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom, an alkoxy group having from 1 to [6] 4 carbon atoms and an alkylthio group having from 1 to [6] 4 carbon atoms; and a cycloalkyloxy group having from 3 to [8] 7 carbon atoms; an aralkyl group having from 1 to 4 carbon atoms in the alkyl part and containing at least one said aryl group.

37. (Third Amendment) The method of claim 35, wherein:

R represents a hydrogen atom[, a fluorine atom, a chlorine atom or a methyl group];

R<sup>1</sup> represents an amino group [or an acetylamino group];

R<sup>2</sup> represents

an unsubstituted phenyl group or

a phenyl group which is substituted by at least one substituent selected from the group consisting of a halogen atom, an alkoxy group having from 1 to 4 carbon atoms, an alkylthio

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Central

group having from 1 to 4 carbon atoms, an alkyl group having from 1 to 4 carbon atoms, a haloalkyl group having from 1 to 4 carbon atoms, [a mercapto group, an alkanoylthio group having from 1 to 4 carbon atoms,] a haloalkoxy group having from 1 to 4 carbon atoms and a alkylenedioxy group having from 1 to 4 carbon atoms;

R<sup>3</sup> represents a hydrogen atom, a halogen atom, an alkyl group having from 1 to 4 carbon atoms or a haloalkyl group having from 1 to 4 carbon atoms;

R<sup>4</sup> represents  
a hydrogen atom;  
an unsubstituted alkyl group having from 1 to 4 carbon atoms;

a substituted alkyl group having from 1 to 4 carbon atoms and substituted by at least one substituent selected from the group consisting of a hydroxy group and an alkoxy group having from 1 to [6] 4 carbon atoms;

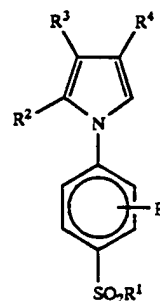
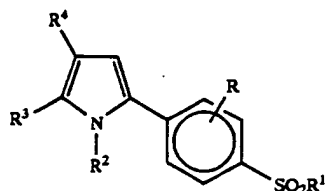
a cycloalkyl group having from 3 to 6 carbon atoms;  
an aryl group which has from 6 to 10 ring carbon atoms and which is unsubstituted or is substituted by at least one substituent selected from the group consisting of a hydroxy group; a

halogen atom; an alkoxy group having from 1 to [6] 4 carbon atoms; an unsubstituted alkyl group having from 1 to [6] 4 carbon atoms; an alkyl group having from 1 to [6] 4 carbon atoms and which is unsubstituted or substituted by at least one halogen atom; and a cycloalkyloxy group having from 3 to [8] 7 carbon atoms; and an aralkyl group having from 1 to 4 carbon atoms in the alkyl part and containing at least one said aryl group.

38. (Cancelled)

39. (Cancelled)

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40. (Third Amendment) [The method of claim 39,] A method of selectively inhibiting the activity of COX-2 in a mammal comprising administering to said mammal a pharmaceutically effective amount of a compound selected from the group consisting of the compound of formula (I), the compound of formula (II) and a pharmaceutically acceptable salt of said compounds wherein:



R represents a hydrogen atom[, a halogen atom or an alkyl group having from 1 to 4 carbon atoms];

R<sup>1</sup> represents a methyl group[, ] or an amino group [or an acetylamino group];

R<sup>2</sup> represents

an unsubstituted phenyl group or

a phenyl group which is substituted by at least one

substituent selected from the group

consisting of a halogen atom; an alkoxy group

having from 1 to 4 carbon atoms; an alkylthio

group having from 1 to 4 carbon atoms; an

unsubstituted alkyl group having from 1 to 4

carbon atoms; an alkyl group having from 1 to

4 carbon atoms and which is substituted by at

least one substituent selected from the group

consisting of a halogen atom, an alkoxy group

having from 1 to 4 carbon atoms and an

alkylthio group having from 1 to 4 carbon

atoms; [a mercapto group; an alkanoylthio

group having from 1 to 4 carbon atoms;] a

haloalkoxy group having from 1 to 4 carbon

atoms; and an alkylenedioxy group having from

1 to 4 carbon atoms;

R<sup>3</sup> represents a hydrogen atom, a halogen atom, an unsubstituted alkyl group having from 1 to

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amended

4 carbon atoms or a substituted alkyl group having from 1 to 4 carbon atoms and substituted by at least one substituent selected from the group consisting of a halogen atom, an alkoxy group having from 1 to 4 carbon atoms and an alkylthio group having from 1 to 4 carbon atoms;

R<sup>4</sup> represents

a hydrogen atom;

an unsubstituted alkyl group having from 1 to 4 carbon atoms;

a substituted alkyl group having from 1 to 4 carbon atoms and substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom, an alkoxy group having from 1 to [6] 4 carbon atoms and an alkylthio group having from 1 to [6] 4 carbon atoms;

a cycloalkyl group having from 3 to 6 carbon atoms;

an aryl group which has from 6 to 10 ring carbon atoms and which is unsubstituted or is substituted by at least one substituent selected from the group consisting of a halogen atom; an alkoxy group having from 1 to 4 carbon atoms; an alkylthio group having from 1 to 4 carbon atoms; an unsubstituted alkyl group having

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from 1 to [6] 4 carbon atoms; an alkyl group having from 1 to [6] 4 carbon atoms and substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom, an alkoxy group having from 1 to [6] 4 carbon atoms and an alkylthio group having from 1 to [6] 4 carbon atoms; and a cycloalkyloxy group having from 3 to [8] 7 carbon atoms; and an aralkyl group having from 1 to 4 carbon atoms in the alkyl part and containing at least one said aryl group.

41. (Third Amendment) The method of claim 39, wherein:
- R represents a hydrogen atom[, a fluorine atom, a chlorine atom or a methyl group];
- R<sup>1</sup> represents an amino group [or an acetylamino group];
- R<sup>2</sup> represents  
an unsubstituted phenyl group or  
a phenyl group which is substituted by at least one substituent selected from the group consisting of a halogen atom, an alkoxy group having from 1 to 4 carbon atoms, an alkylthio group having from 1 to 4 carbon atoms, an alkyl group having from 1 to 4 carbon atoms,



a haloalkyl group having from 1 to 4 carbon atoms, [a mercapto group, an alkanoylthio group having from 1 to 4 carbon atoms,] a haloalkoxy group having from 1 to 4 carbon atoms and an alkylenedioxy group having from 1 to 4 carbon atoms;

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cancel*  
R<sup>3</sup> represents a hydrogen atom, a halogen atom, an alkyl group having from 1 to 4 carbon atoms or a haloalkyl group having from 1 to 4 carbon atoms;

R<sup>4</sup> represents  
a hydrogen atom;  
an unsubstituted alkyl group having from 1 to 4 carbon atoms;

a substituted alkyl group having from 1 to 4 carbon atoms and substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom, and an alkoxy group having from 1 to [6] 4 carbon atoms;

a cycloalkyl group having from 3 to 6 carbon atoms;  
an aryl group which has from 6 to 10 ring carbon atoms and which is unsubstituted or is substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom; an alkoxy group having from 1

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contd

to [6] 4 carbon atoms; an alkyl group having from 1 to [6] 4 carbon atoms and which is unsubstituted or substituted by at least one halogen atom; and a cycloalkyloxy group having from 3 to [8] 7 carbon atoms; and an aralkyl group having from 1 to 4 carbon atoms in the alkyl part and containing at least one said aryl group.

42. (Cancelled)

B6

43. (Amended) The compound of claim [8] 15, wherein [the] R<sup>2</sup> is a phenyl group which is substituted with 1 [to 3] or 2 of said substituents.

Please add the following claims 44-86.

see  
C1

NE

--44. (New) The method of claim 28 wherein said compound is 4-methyl-2-(4-methylphenyl)-1-(4-sulfamoylphenyl)pyrrole.

45. (New) The method of claim 28 wherein said compound is 2-(4-methoxyphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.

46. (New) The method of claim 28 wherein said compound is 2-(4-chlorophenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.

47. (New) The method of claim 28 wherein said compound is 4-methyl-2-(4-methylthiophenyl)-1-(4-sulfamoylphenyl)pyrrole.

48. (New) The method of claim 28 wherein said compound is 2-(4-ethoxyphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.

49. (New) The method of claim 28 wherein said compound is 2-(4-methoxy-3-methylphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.

50. (New) The method of claim 28 wherein said compound is 2-(3-fluoro-4-methoxyphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.

51. (New) The method of claim 28 wherein said compound is 2-(3,4-dimethylphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.

52. (New) The method of claim 28 wherein said compound is 4-methyl-1-(4-methylthiophenyl)-2-(4-sulfamoylphenyl)pyrrole.

53. (New) The method of claim 31 wherein said compound is 4-methyl-2-(4-methylphenyl)-1-(4-sulfamoylphenyl)pyrrole.

54. (New) The method of claim 31 wherein said compound is 2-(4-methoxyphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.

55. (New) The method of claim 31 wherein said compound is 2-(4-chlorophenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.

56. (New) The method of claim 31 wherein said compound is 4-methyl-2-(4-methylthiophenyl)-1-(4-sulfamoylphenyl)pyrrole.

57. (New) The method of claim 31 wherein said compound is 2-(4-ethoxyphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.

58. (New) The method of claim 31 wherein said compound is 2-(4-methoxy-3-methylphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.

59. (New) The method of claim 31 wherein said compound is 2-(3-fluoro-4-methoxyphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.

60. (New) The method of claim 31 wherein said compound is 2-(3,4-dimethylphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.

61. (New) The method of claim 31 wherein said compound is 4-methyl-1-(4-methylthiophenyl)-2-(4-sulfamoylphenyl)pyrrole.

62. (New) The method of claim 35 wherein said compound is 4-methyl-2-(4-methylphenyl)-1-(4-sulfamoylphenyl)pyrrole.

63. (New) The method of claim 35 wherein said compound is 2-(4-methoxyphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.

64. (New) The method of claim 35 wherein said compound is 2-(4-chlorophenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.

65. (New) The method of claim 35 wherein said compound is 4-methyl-2-(4-methylthiophenyl)-1-(4-sulfamoylphenyl)pyrrole.

66. (New) The method of claim 35 wherein said compound is 2-(4-ethoxyphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.

67. (New) The method of claim 35 wherein said compound is 2-(4-methoxy-3-methylphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.

68. (New) The method of claim 35 wherein said compound is 2-(3-fluoro-4-methoxyphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.

69. (New) The method of claim 35 wherein said compound is 2-(3,4-dimethylphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.

70. (New) The method of claim 35 wherein said compound is 4-methyl-1-(4-methylthiophenyl)-2-(4-sulfamoylphenyl)pyrrole.

71. (New) The method of claim 40 wherein said compound is 4-methyl-2-(4-methylphenyl)-1-(4-sulfamoylphenyl)pyrrole.

72. (New) The method of claim 40 wherein said compound is 2-(4-methoxyphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.

73. (New) The method of claim 40 wherein said compound is 2-(4-chlorophenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.

74. (New) The method of claim 40 wherein said compound is 4-methyl-2-(4-methylthiophenyl)-1-(4-sulfamoylphenyl)pyrrole.

75. (New) The method of claim 40 wherein said compound is 2-(4-ethoxyphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.

76. (New) The method of claim 40 wherein said compound is 2-(4-methoxy-3-methylphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.

77. (New) The method of claim 40 wherein said compound is 2-(3-fluoro-4-methoxyphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.

78. (New) The method of claim 40 wherein said compound is 2-(3,4-dimethylphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.

79. (New) The method of claim 40 wherein said compound is 4-methyl-1-(4-methylthiophenyl)-2-(4-sulfamoylphenyl)pyrrole.

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80. (New) The compound of claim 14 wherein R<sup>3</sup> is hydrogen and R<sup>4</sup> is methyl.

B 81. (New) The compound of claim 80 wherein said compound is of the formula (II).

82. (New) The compound of claim 43 wherein said compound is of the formula (II), R<sup>3</sup> is hydrogen and R<sup>4</sup> is methyl.

83. (New) The method of claim 29 wherein said compound is of the formula (II), R<sup>3</sup> is hydrogen and R<sup>4</sup> is methyl.

84. (New) The method of claim 33 wherein said compound is of the formula (II), R<sup>3</sup> is hydrogen and R<sup>4</sup> is methyl.

85. (New) The method of claim 37 wherein said compound is of the formula (II), R<sup>3</sup> is hydrogen and R<sup>4</sup> is methyl.

86. (New) The method of claim 41 wherein said compound is of the formula (II), R<sup>3</sup> is hydrogen and R<sup>4</sup> is methyl.

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